ALGEBRA AND LOGIC

Volume 32, Numbers 1-6, 1993
(A translation of *Algebra i Logika*)

Engl./Russ.

Volume 32, Number 1, January-February, 1993

Classical Rings of Quotients of Semiprime *PI*-Rings – K. I. Beidar 1 3
Semisimple Periodic Groups of Finitary Transformations – V. V. Belyaev 8 17
The Number of Nonequivalent Computable Indexations for a Fixed Family of Sets – S. L. Bereznyuk 17 34
Effective Choice Operations on Constructive and Positive Models – Yu. G. Ventsov 23 45
Functional Trees and Automorphism of Models – A. S. Morozov 28 54
Decomposition of a Variety of Alternative Algebras into a Subvariety Product – V. T. Filippov 39 73
Minimal Transitive Graphs of Finite Simple Groups – N. A. Chukanov 51 92

Volume 32, Number 2, March-April, 1993

Bases of Admissible Rules in Modal Logics S4.2 and S4.2Grz – S. V. Babenyshev 63 117
A Restricted Analog of the Third Level of Rice's Theorem for Semantic Classes of Sentences – S. S. Zaurbekov 71 131
Multiplicative Formulas – A. I. Omarov 75 139
Positive Theories of Free Monoids – N. A. Peryazev 80 148
Verbal Products of Groups – S. V. Rychkov 87 160
Primitive Jordan Triple Systems – V. G. Skosyrski 96 177
Infinite Primal Algebras and Post Varieties – D. M. Smirnov 111 203
Letter to the Editors — Yu. L. Ershov 121 222

Volume 32, Number 3, May-June, 1993

Local Characterizations of Periodic Simple Groups of Finitary Transformations – V. V. Belyaev 123 231
Alternator Ideal in Weakly Alternative Rings – R. Kh. Vakhitov 133 251
Boolean Families of Valuation Rings. II – Yu. L. Ershov 139 261
Minimal Permutation Representation of Finite Simple Classical Groups. Special Linear, Symplectic, and Unitary Groups – V. D. Mazurov 142 267
Varieties Whose Countable Embeddability Skeletons Are Semilattices – Ya. L. Mordvinov 154 288
Quasiorders on Universal Algebras – A. G. Pinus and I. Chajda 164 308
The Occurrence Problem for Lie Algebras – U. U. Umirbaev 173 326

Volume 32, Number 4, July-August, 1993

Toward a Generalized Computability Theory
– I. V. Ashaev, V. Ya. Belyaev, and A. G. Myasnikov 183 349
Elementary Regular Rings – Yu. L. Ershov 206 387
Finite 2-Groups Admitting an Automorphism of Order 4
with Few Fixed Points – N. Yu. Makarenko 215 402
The Wedderburn Decomposition in Finite-Dimensional Alternative Superalgebras
– N. A. Pisarenko 231 428
Normal Automorphisms of Free Solvable Pro-p-Groups of Derived Length 2
– N. S. Romanovskii and V. Yu. Boluts' 239 441
Algorithmic Problems in Associative Algebras – U. U. Umirbaev 244 450

Volume 32, Number 5, September-October, 1993

Generalized Computations with Binary Oracles – R. V. Ganova 257 479
Maximal RC_π-Fields – Yu. L. Ershov 267 497
Least Fixed Points in Grzegorczyk's Logic and in the Intuitionistic
Propositional Logic – S. I. Mardaev 279 519
Almost Simple Algebras – A. G. Pinus 289 537
Maximal Quotient Algebra of a Hopf-Module Algebra – D. A. Rumynin 300 556
Quantization of Poisson Superalgebras and Speciality of Jordan Poisson Superalgebras
– I. P. Shestakov 309 571

Volume 32, Number 6, November-December, 1993

Finitary Linear Representations of Infinite Symmetric and Alternating Groups
– V. V. Belyaev 319 591
Nonstandard Analysis and Axiom of Determinateness
– N. V. Belyakin and S. P. Odintsov 328 607
Strong Constructibility of Boolean Algebras of Elementary
Characteristic (1,1,0) – V. N. Vlasov and S. S. Goncharov 334 618
Effectively Infinite Classes of Weak Constructivizations of Models – S. S. Goncharov ... 342 631
Solvable and Semisimple Bol Algebras – E. N. Kuz'min and O. Zaïdi 361 665
Least Fixed Points in the Gödel–Löb Logic – S. I. Mardaev 372 683
Lascar Rank and the Finite Cover Property for Complete Theories of Unars
– A. N. Ryaskin 376 690